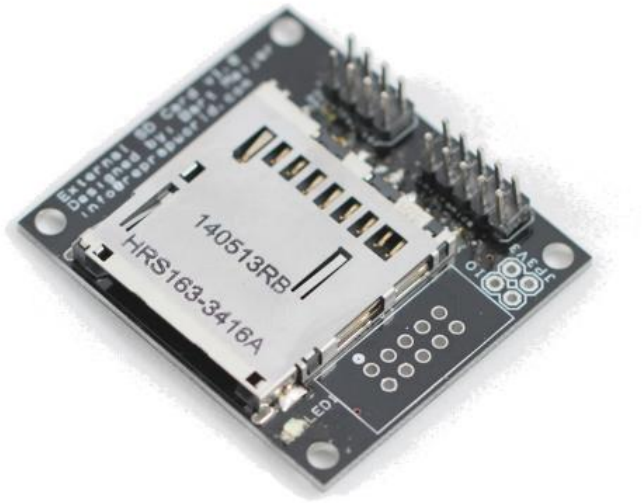
External SD Card v1.1



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PRODUCT OVERVIEW

This is an extension board to be able to use a normal SD card to store gcodes on. With this solution you can print stand-alone without a pc. This board is compatible with Megatronics v3.0, Minitronics v1.1 and RAMPS.

Notes:
- The LED needs to be controlled from the firmware. At the time of writing there is no firmware that supports that.
- To connect this board to the mentioned electronics, just make sure you use the correct header and connect the wires 1-to-1, so wire on pin 1 Megatronics, connects to pin 1 on the SD card pbb

PRODUCT CHANGE HISTORY

Version 1.1

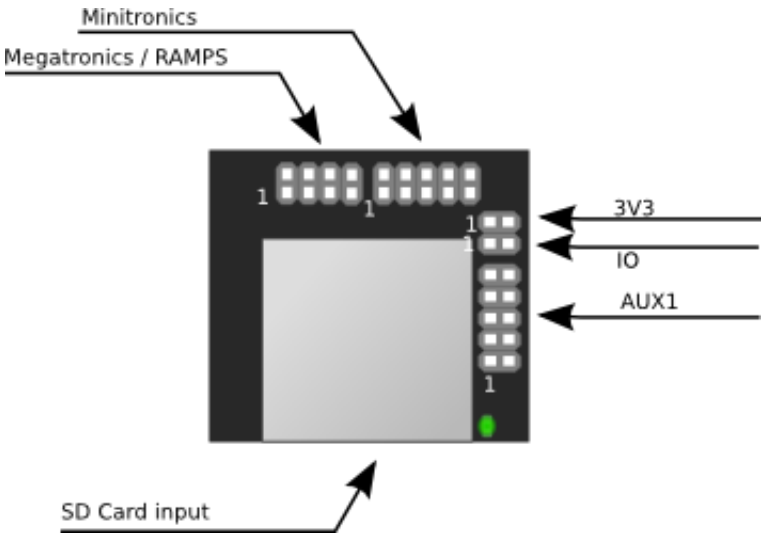
- Fix for Minitronics

TECHNICAL SPECIFICATION

Memory type	AD Card
Operating Voltage Electronics	5V

MAJOR FEATURES

- Compatible with Megatronics v3.0, Minitronics v1.1 and RAMPS
- Small design that integrates easiliy into you printer
- High quality 2-layer PCB



Name	Description
Minitronics	Header to connect the board to Minitronics (1-to-1 on the ICSP pin header) 1. Not connected 2. +5V 3. SCK 4. Not connected 5. Not connected 6. GND 7. MISO 8. MOSI 9. CS 10. DIG2 (LED)
Megatronics	Header to connect the board to Megatronics (SDOUT) or RAMPS (SD RAMPS / AUX3 / SPI) 1. +5V 2. DIG2 3. MISO 4. MOSI 5. SCK 6. CS 7. GND 8. DIG3
AUX1	Alternative header 1. +5V 2. GND 3. MOSI 4. MISO 5. SCK 6. CS 7. DIG2

	8. DIG3 9. Not connected 10. Not connected
3V3	Low current 3V3 output 1. GND 2. 3V3
IO	Digital I/O output (from AUX1) 1. GND 2. DIG3

BOARD DIMENSIONS

Dimensions: 45.28mmx40.35mmx12mm

List of M3 holes (measured from the bottom left):
2.6, 2.6
2.6, 37.93
42.7, 37.93
42.7, 2.6